RUTH MUTANU

Stephenruth106@gmail.com 0798597545

Garissa, Kenya LinkedIn

AI-Powered Full-Stack Developer

EDUCATION

Bachelor of Science in Computer Science

Kisii University

📅 September 2021 – April 2025

📍 Kisii, Kenya

High School Certificate

Kaaga Girls High School

📅 January 2016 – November 2020

📍 Meru, Kenya

SKILLS

- Programming (Python, JavaScript)
- Front-End Development (HTML, CSS, Bootstrap, Responsive Design, UX/UI Optimization)
- Cloud Computing Basics & Cybersecurity Awareness
- Version Control (Git, GitHub)
- Communication & Public Speaking
- Fluent English, Conversant German

CERTIFICATIONS

YEAR 2024
AI Career Essentials – ALX Africa

YEAR 2024
Machine Learning with Python – FreeCodeCamp

YEAR 2023
Javascript Algorithms and Data Structures – FreeCodeCamp

PROJECTS

AUGUST 2024 – APRIL 2025
AI BASED SMART WASTE SYSTEM USING IOT

- Designed an AI and IoT-powered smart waste system for efficient management and real-time monitoring.
- The project earned **Second Best Team** recognition at an **Innovation Challenge held at Kisii University in partnership with Mozilla**, highlighting its technical excellence, societal impact, and innovation.

MAY 2023- AUGUST 2023
INFORMATION CASE SYSTEM – GARISSA LAW COURTS

- Built a digital case management platform to enhance accessibility to legal case information.
- Designed and developed a **digital case management platform** to streamline the access and retrieval of case files and court schedules.
- Built an intuitive **web interface** using **HTML, CSS, JavaScript**, allowing court staff and authorized users to easily search, filter, and access case information.
- Integrated a **basic database system** to store and manage case data securely, ensuring data consistency, privacy, and quick retrieval.

MARCH 2023 – JUNE 2023
CRYPOCURRENCY PREDICTOR(AI)

- Developed an AI model to predict cryptocurrency trends, submitted for the Mozilla Ethical AI Competition.
- Collected and preprocessed cryptocurrency datasets (e.g., Bitcoin, Ethereum) from **public APIs** and **open financial datasets**, ensuring data quality and normalization.
- Built and trained **regression models** (Linear Regression, LSTM Neural Networks) to forecast short-term and long-term price movements.

JANUARY 2025 – CURRENT
LIFELINE PROJECT (SAFETY APPLICATION)

- Developing a safety app that sends SOS messages with real-time location tracking for emergencies.

REFERENCES

1.Mr. Joshua Okemwa – 0720434121
Lecturer, Kisii University

2.Mr. Aggrey Eric Omondi- 0727261423
ICT Officer Garissa Law Courts

3. Dr. Ronald Tombe - 0710 791 596
Co-Founder AI AA NGO, CEO DeepKenTom